



2014 Alamogordo Interagency Dispatch Center

FIRE Detailer Packet



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Pecos Zone Description

The Alamogordo Dispatch Center is the Federal interagency dispatch center for the Pecos Zone. The Zone itself is comprised of the following initial attack areas:

- Lincoln National Forest (LNF)
 - Smokey Bear Ranger District (D-1)
 - Sacramento Ranger District (D-2)
 - Guadalupe Ranger District (D-3)
- Mescalero Apache Indian Reservation (MEA)
- Pecos District Bureau of Land Management
 - Roswell BLM Field Office (ROD)
 - Carlsbad Field BLM Office (CAD);
 - Las Cruces BLM Field Office (LCD);
- FWS Bitter Lake NWR (BTR)
- FWS San Andres NWR (SNR)
- FWS Southwestern Native Aquatic Research and Recovery Center (DXH)
- NPS Big Bend National Park (BBP)
- NPS Carlsbad Caverns National (CCP)
- NPS Guadalupe Mountains National Park (GUP)
- NPS Chamizal National Memorial (CHP)
- NPS White Sands National Monument (WHP)
- NPS Amistad National Recreation Area (AMP)
- NPS Fort Davis National Historic Site (FDP)
- New Mexico State Forestry Capitan District (N5S).

The west side of the Pecos Zone consists mostly of mountainous terrain and mountain communities. Fuels are predominantly piñon pine and juniper trees in the lower elevations and ponderosa pine and mixed conifer in the upper elevations. The potential for catastrophic fire exists due to heavy fuels and intense urban interface.

Surface fires must be aggressively attacked and prevented from becoming crown fires. Ruidoso (D-1) is one of the top threatened

communities by wildfires in the United States. Narrow roads, limited visibility, heavy civilian population and inaccessible terrain all hamper wildfire operations.

The east side of the zone is comprised largely of mid-level deserts with mountainous terrain found in the Guadalupe Mountains National Park. Fuels in the desert areas are mostly grass with some shrubs (mesquite and four-wing salt brush).

Mature salt cedar, reaching 35' in height, is found along the Pecos River corridor and other riparian areas. The light fuel models present in the desert areas result in frequent fast moving, wind driven fires. Urban interface concerns in these areas are moderate to heavy depending on the location of the fires.

The Carlsbad Field Office of the Pecos District deals with a high concentration of oil and natural gas operations. These areas have increased interface concerns including potential for damaged equipment, oil and gas leaks or spills and the presence of toxic H₂S gas. Large sinkholes are found on the north end of the Bitter Lake NWR Initial Attack zone.

The mountainous areas found within the two National Parks (Carlsbad Caverns and Guadalupe Mountains) are typically comprised of piñon pine and juniper trees, often with a grass understory. Narrow roads and steep terrain hamper fire operations in these areas.

Interagency Initial Attack

As stated in the zone description, dispatch and its initial attack resources work closely as interagency partners in a cooperative suppression role. Each agency has a designated initial attack response area. A map showing these areas can be seen on the IA floor.

- The USFS and BLM has a 24-hour reciprocal use agreement with NM State Forestry counties within the zone that provides for a “no cost” suppression agreement excluding the use of aircraft. Standard operating procedures for responding to a mutual aid dispatch are as follows:
 1. Federal resources must receive an official request from NM State Forestry if the fire occurs outside their initial attack jurisdiction.
 2. If a fire occurs in an agency’s response area they will respond, no matter land ownership.

ADC Fire Size-Up Card

NM-ADC INITIAL ATTACK SIZE UP CARD			
Time of Arrival on Scene:			
1. Fire Name:			
2. IC:			
3. Legal: T	R	Sec	¼, ¼
Lat.		Long.	
Elevation:			
4. Directions to Fire:			
5. Size:			
6. Fuels Burning:			
Adjacent Fuels:			
7. Character of Fire:			
<input type="checkbox"/> Smoldering <input type="checkbox"/> Creeping <input type="checkbox"/> Running			
<input type="checkbox"/> Torching <input type="checkbox"/> Crowning <input type="checkbox"/> Spotting			
8. Flame Length:			
9. Position on slope:			
<input type="checkbox"/> Bottom 1/3 <input type="checkbox"/> Middle <input type="checkbox"/> Top 1/3			
10. Percent Slope:			
11. Aspect:			
12. Wind:			
13. Spread Potential:			
<input type="checkbox"/> None <input type="checkbox"/> Low 0-5 Ac. <input type="checkbox"/> Moderate 6-10 Ac.			
<input type="checkbox"/> High 10-50 Ac. <input type="checkbox"/> Very High 50+ Ac.			
14. Values at Risk:			
<input type="checkbox"/> Houses <input type="checkbox"/> Improvements			
<input type="checkbox"/> Cultural/Historical <input type="checkbox"/> Other:			
15. Hazards: <input type="checkbox"/> Snags <input type="checkbox"/> Powerline <input type="checkbox"/> Traffic			
<input type="checkbox"/> Urban Interface <input type="checkbox"/> Haz-Mat <input type="checkbox"/> Mine Shafts			
16. Cause:			
Unknown Cause – Order FINV!			
17. Additional Resources Needed:			
RH:		TEMP:	

MEDEVAC Helicopter Transport

Basic information needed from personnel on scene before placing
an order for the MEDEVAC helicopter:

- Type of Injuries _____
- Number of patients _____
- Elevation of Landing Site _____
- Latitude and Longitude (Degrees Decimal Minutes)

- Temperature _____
- Wind Speed and Direction _____
- Weight of patient _____
- Is there a landing site, brief description of size, hazards,
tall trees, uneven ground, etc.?

- General Location _____
- Is Helitack qualified person available

- Frequency _____

Native Air
1-888-539-2552

Spot Wx Forecast Request Form

1. Project Name: _____
2. LAT: _____
3. LONG: _____
4. Elevation: _____ Top _____ Bottom
5. Aspect: _____
6. Fuel Type: _____
7. Sheltering
 - ☐ Full
 - ☒ Partial
 - ☐ Unsheltered
8. Place: _____
9. Elevation: _____
10. Time: _____
11. Winds: _____
12. Temp: _____
13. Wetbulb: _____
14. RH: _____
15. Dewpt: _____
16. Sky/Weather: _____
17. TDA TNT TMR (Today, Tonight, Tomorrow)
 - ☐ ☐ ☐ Clouds / Weather
 - ☐ ☐ ☐ Chance of Wetting Rain
 - ☐ ☐ ☐ Temperature
 - ☐ ☐ ☐ Relative Humidity
 - ☐ ☐ ☐ 20 Foot Wind
 - ☐ ☐ ☐ Smoke Dispersion

Zone Contact List

Position	Name	Work #	Cell #
ADC Dispatch		575-437-2286	
Center Manager	Nicole Finch	575-439-6001	575-415-1606
Asst. Manager	Tiffany Fralie	575-439-6003	575-430-6892
Logistic Cord	Kevin Ditmanson	575-439-6002	575-706-6664
ATBM	Brian Pearson	575-439-6012	575-430-1220
Asst ATBM	Scott Mitchell	575-439-6013	575-491-8029
Radio Tech	Ernie Trujillo	575-439-6015	575-590-1134

BLM – Carlsbad, Roswell

Position	Name	Work #	Cell #
FMO- CAD	Ty Bryson	575-234-5960	575-361-5960
AFMO- ROD	Larry Ashley	575-627-0314	575-420-6990
LEO- CAD	Mark Cofield	575-234-5963	575-361-0571
Radio Tech- ROD	Rigo Ortega	575-627-0208	575-420-2544

BLM - Las Cruces

Position	Name	Work #	Cell #
FMO	Mark Bernal	575-525-4305	575-644-6734
AFMO	Tom KcKibbin	575-525-4317	575-635-8687
Radio Tech	Rick Lazo	575-525-4417	575-640-3119

BIA - Mescalero

Position	Name	Work #	Cell #
FMO	Chris Little	575-464-4419	575-937-6889
AFMO	Roberto Picazo	575-464-4419	575-937-2890

Lincoln National Forest

Position	Name	Work #	Cell #
Fire Staff	Ryan Whiteaker	575-434-7244	505-507-0872
Forest FMO	David Bales	575-434-7391	928-853-3767
Smokey Bear RD			
FMO- Smokey Bear	Anthony Sanchez	575-630-3023	575-430-0097
AFMO – Smokey Bear	Terry Garner	575-630-3034	575-937-1602
LEO – Smokey Bear	Eric Chavez	575-630-3002	505-377-1495
Sacramento RD			
FMO – Sacramento	Jay Northcott	575-682-5309	575-430-1130
AFMO- Sacramento	Caleb Finch	575-682-5310	575-430-1732
LEO- Sacramento	Patrick Blue	575-434-7392	505-452-7501
Guadalupe RD			
FMO – Guadalupe	Art Arias	575-885-7402	575-361-7760
AFMO – Guadalupe	Tom Barta	575-885-7410	575-499-3599
LEO- Guadalupe	Javier Valles	800-637-9152	505-850-3618

NM State Forestry - Capitan

Position	Name	Work #	Cell #
District Forester	Lynn Lovelace	575-354-2231	575-937-0170
District FMO	David Cunningham	575-354-2231	575-937-0716

NPS- Guadalupe/Carlsbad Caverns

Position	Name	Work #	Cell #
FMO	John Montoya	915-828-3251	432-940-1641
Program Asst	Kendra Mayes	915-828-3251	432-940-4364

NPS – Big Bend

Position	Name	Work #	Cell #
FMO	Ed Waldron	432-477-2397	432-770-8784
Fire Program Asst	Susan Singleton	432-477-2369	432-244-9507

NPS – White Sands

Position	Name	Work #	Cell #
Chief Ranger	Joe Roberts	575-479-6124	575-430-2782

NPS – Amistad

Position	Name	Work #	Cell #
Chief Ranger	Regina Klein	830-775-7492	830-719-2480

FWS – Bitterlake/San Andres

Position	Name	Work #	Cell #
FMO	Jake Nuttal	575-835-0040	575-838-7480
AFMO	Vacant		
Fire Ops Spec	Andy Lopez	575-835-0040	575-838-7482

Pecos Zone Frequencies

Lincoln NF – North Zone /Smokey Bear RD

Name	Receive	RX Tone	Transmit	TX Tone
LNF North	170.500	103.5	170.500	103.5
Buck Repeater	175.500	103.5	164.1375	100.0
Smokey Bear Rp	170.500	103.5	164.1375	173.8
Summit Repeater	170.500	103.5	164.1375	167.9

Lincoln NF – South Zone/ Sacramento RD

Name	Receive	RX Tone	Transmit	TX Tone
LNF South	173.7750	103.5	173.7750	103.5
Wofford Rp	173.7750	103.5	164.8250	123.0
James Ridge Rp	173.7750	103.5	164.8250	151.4
Sacramento Rp	173.7750	103.5	164.8250	141.3
Cathey Peak Rp	173.7750	103.5	164.8250	131.8
Weed Repeater	173.7750	103.5	164.8250	162.2
Long Ridge Rp	173.7750	103.5	164.8250	127.3
Carrisa Repeater	173.7750	103.5	164.8250	192.8
Blue Water Rp	173.7750	103.5	164.8250	146.2

Lincoln NF – South Zone / Guadalupe RD

Name	Receive	RX Tone	Transmit	TX Tone
LNF South	173.7750	103.5	173.7750	103.5
Dark Canyon Rp	173.7750	103.5	164.8250	156.7
Sitting Bull Falls	173.7750	103.5	164.8250	114.8
Rim Repeater	173.7750	103.5	164.8250	107.2

BIA Mescalero

Name	Receive	RX Tone	Transmit	TX Tone
Cienegita Rp	172.450	103.5	170.100	103.5
Wofford Rp	172.450	103.5	170.100	127.3
Pajarito	172.450	103.5	170.100	156.7

NM State Forestry – Capitan District

Name	Receive	RX Tone	Transmit	TX Tone
State Forestry Fire	159.420		159.420	156.7
State Forestry Tactical	159.225		159.225	

State Fire Marshall

Name	Receive	RX Tone	Transmit	TX Tone
State Fire Mutual Aid	154.310		154.310	

BLM – Roswell/Carlsbad

Name	Receive	RX Tone	Transmit	TX Tone
BLM Direct	172.5875		172.5875	192.8
Capitan (primary for ROD)	172.5875		165.1750	123.0
Buck Mt. Repeater	172.5875		165.1750	110.9
Queen Repeater (primary for CAD)	172.5875		165.1750	136.5
Maljamar Rp	172.5875		165.1750	131.8

BLM Las Cruces

Name	Receive	RX Tone	Transmit	TX Tone
Sacramento LO	168.5750		166.8750	136.5
Caballo Mt. Rp	168.5750		166.8750	110.9

NPS- Carlsbad Caverns

Name	Receive	RX Tone	Transmit	TX Tone
Carlsbad Caverns Direct	164.600		164.600	
Bush Mt Rp	169.7125	127.3	162.2375	127.3

NPS – Guadalupe Mountains

Name	Receive	RX Tone	Transmit	TX Tone
Bush Mt Rp	169.7125	127.3	162.2375	127.3

FWS – Bitter Lakes

Name	Receive	RX Tone	Transmit	TX Tone
Bitter Lakes	164.6250	141.3	163.150	123.0
Bitter Lakes Direct	164.6250	141.3	164.6250	141.3

Aircraft

Name	Receive	RX Tone	Transmit	TX Tone
Air Guard	168.6250	110.9	168.6250	110.9
Flight Follow	168.6500	110.9	168.6500	110.9
Air to Ground 20	168.1750		168.1750	
Air to Ground 25	168.7500		168.7500	
Air to Ground 56	168.6625		168.6625	
Air to Air	123.9250		123.9250	

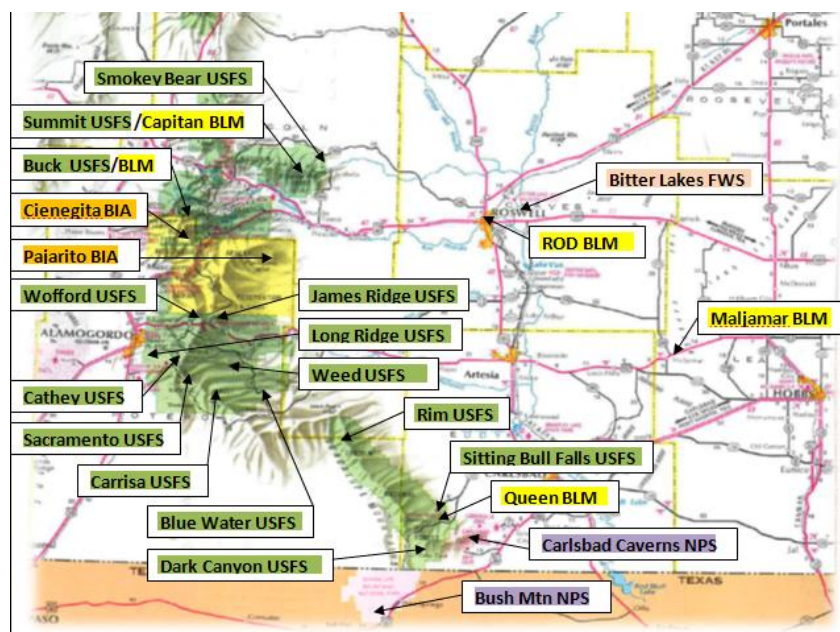
Zone Tactical Frequencies

Name	Receive	RX Tone	Transmit	TX Tone
R3 TAC 1	167.5500	0.0	167.5500	0.0
R3 TAC 2	168.6750	0.0	168.6750	0.0
R3 TAC 3	168.7750	0.0	168.7750	0.0

Tanker Base/SEAT Base

Name	RAMP
ALM	120.875
ROW	120.875
SSR	120.875

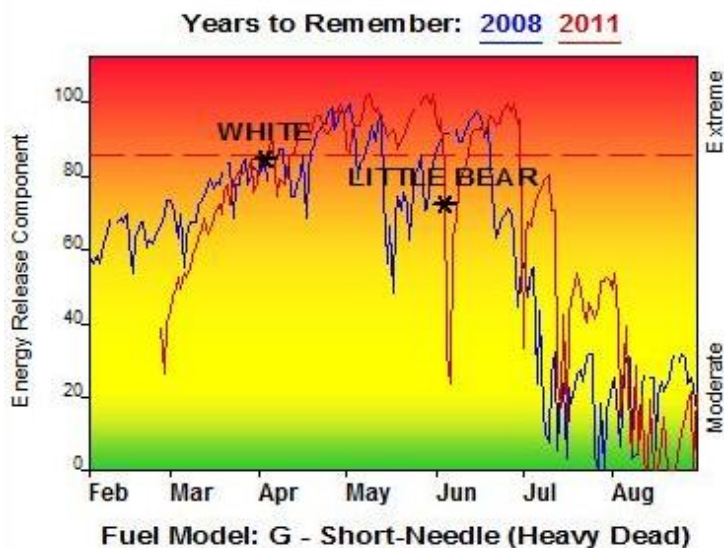
Repeater Location Map



Smokey Bear RD	Sacramento RD	Guadalupe RD	BLM ROW/CAD	Mescalero
LNF Direct	LNF Direct	LNF Direct	BLM Direct	Cienegita
Buck	Wofford	Dark Canyon	Capitan	Pajarito
Smokey Bear	James Ridge	Sitting Bull Falls	Buck Mountain	Wofford
Summit	Sacramento	Rim	Queen	Car to Car
	Cathey Peak		Maljamar	
	Weed			
	Long Ridge	Carlsbad Caverns	Guadalupe Mtns	Bitter Lakes FWS
	Carrisa	CC Direct	Bush Mountain	B.L Direct
	Blue Water	Bush Mountain		Bush Mountain

2014 Fire Danger Rating Cards - ERC

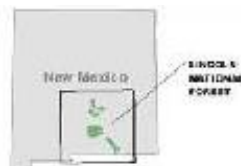
Lincoln National Forest – Smokey Bear RD



ERC Card Definition – Smokey Bear RD

Fire Danger Area:

- ◆ Smokey Bear RD
- ◆ FWS 113
- ◆ Smokey Bear RAWS - 292203
 - * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



EXTREME – Use extreme caution

(Caution) – Watch for change

Moderate – Lower Potential, but always be aware

Maximum – Highest Energy Release Component by day
for 2004 - 2013

Average – shows peak fire season over 10 years (2013 observations)

90th Percentile – Only 10% of the 2013 days from 2004 - 2013
had an Energy Release Component above 85

Local Thresholds - Watch out: Combinations
of any of these factors can greatly increase fire behavior:
20+ Wind Speed over 15 mph, **RH** less than 15%,
Temperature over 80, **Energy Release Component** over 75

Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends
calculated from 2 pm temperature, humidity,
daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across
the landscape – Fuel, Weather, Topography.
- ✓ Listen to weather forecasts – especially WIND.

Past Experience:

06/04/2012 - Little Bear Fire (44,381 ac), ERC - 75, but multiple high wind days

04/01/2011 - White Fire (10,334 ac), ERC - 83, High Winds, Early Season Fire

Hot, windy spring days most likely for large fire occurrence. High ERC values combined
with high wind presents a Watch Out Situation.

OTHER FIRES TO NOTE:

06/01/2001 - Homestead (201 ac), High Winds, Prolonged Drought

Responsible Agency: Lincoln National Forest

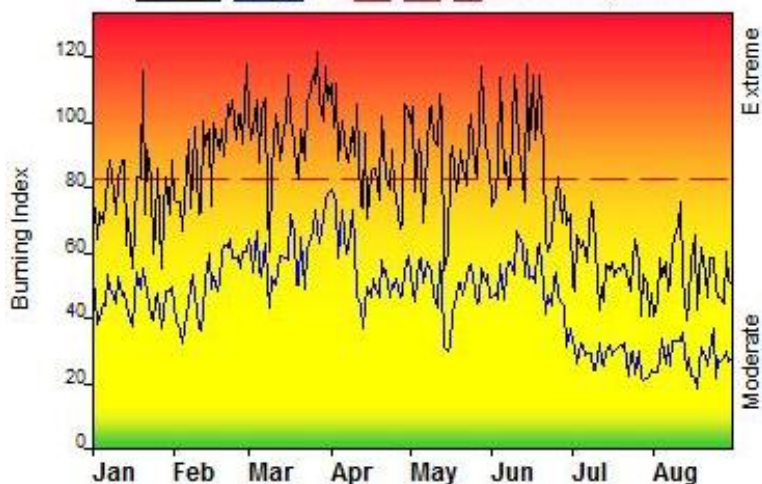
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Design by NWCG Fire Danger Working Team

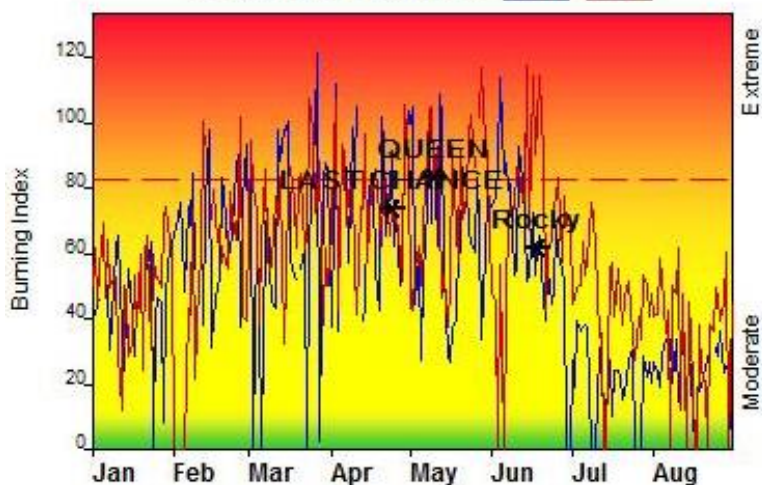
Lincoln National Forest – Guadalupe RD

FIRE DANGER -- Lincoln NF -- Guadalupe RD

Maximum, Average, and 90th Percentile, based on 10 years data



Years to Remember: 2008 2011

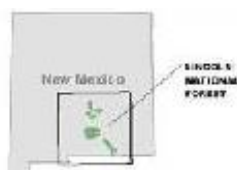


Fuel Model: L - Western Perennial Grasses

ERC Card Definition – Guadalupe RD

Fire Danger Area:

- ◆ USFS - Guadalupe RD
- ◆ Zone 114
- ◆ Queen RAWS - 293105
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



- EXTREME** – Use extreme caution
(Caution) – Watch for change
Moderate – Lower Potential, but always be aware

Maximum – Highest Burning Index by day
for 2004 - 2014

Average – shows peak fire season over 10 years (2247 observations)

90th Percentile – Only 10% of the 2247 days from 2004 - 2014
had an Burning Index above 82

Local Thresholds - Watch out: Combinations
of any of these factors can greatly increase fire behavior:
20' Wind Speed over 15 mph, **RH** less than 10%,
Temperature over 80, **Burning Index** over 60

Remember what Fire Danger tells you:

- ✓ Burning Index gives day-to-day fluctuations
calculated from 2 pm temperature, humidity, wind,
daily temperature & rh ranges, and precip duration.
- ✓ Wind is part of BI calculation.
- ✓ Watch local conditions and variations across
the landscape – Fuel, Weather, Topography.
- ✓ Listen to weather forecasts – especially WIND.

Past Experience:

06/18/2008 - Rocky Fire, 49,092 acres, Wind driven in inaccessible terrain

04/24/2011- Last Chance Fire, 53,000, Wind driven, Light flashy fuels

05/10/2011- Queen Fire, 4,300, Wind driven fire, threatened community of Queen

Large fire occurrence is most likely on hot, windy spring days. Fuel Model L represents
light flashy fuels. ROS of 80+ ch/hr is common on windy days. Rolling material in steep
canyons always presents a problem.

Responsible Agency: Lincoln NF

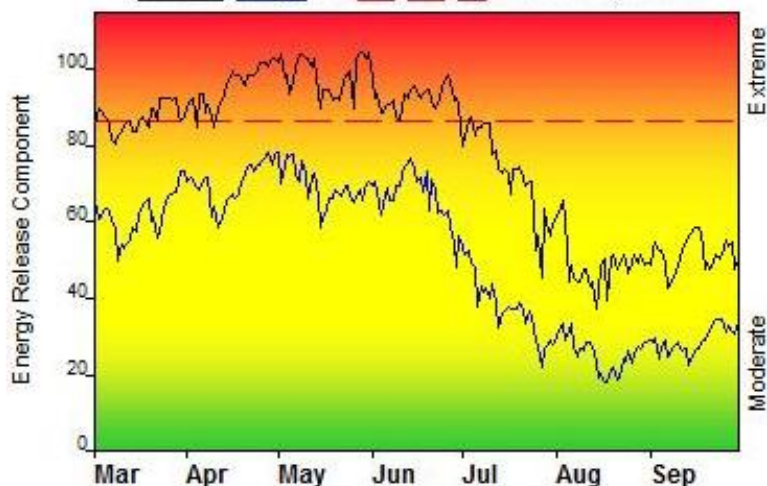
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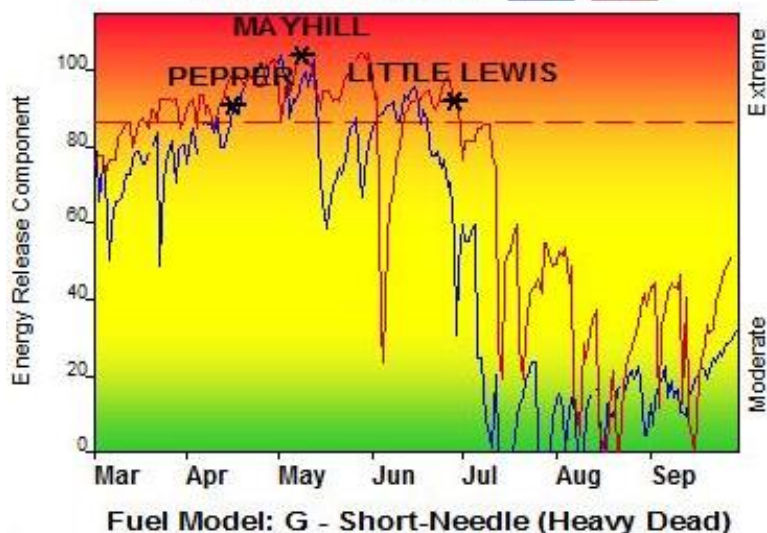
Lincoln National Forest – Mayhill RD

FIRE DANGER -- Lincoln NF Ponderosa Pine

Maximum, Average, and 90th Percentile, based on 10 years data



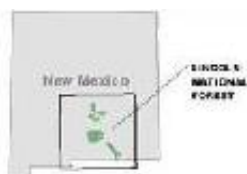
Years to Remember: 2008 2011



ERC Card Definition – Mayhill RD

Fire Danger Area:

- ◆ Lincoln NF-Ponderosa Pine
- ◆ Zone 113
- ◆ Mayhill RAWS - 293002
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



- EXTREME** – Use extreme caution
(Caution) – Watch for change
Moderate – Lower Potential, but always be aware

Maximum – Highest Energy Release Component by day
for 2004 - 2013

Average – shows peak fire season over 10 years (2105 observations)

90th Percentile – Only 10% of the 2105 days from 2004 - 2013
had an Energy Release Component above 86

Local Thresholds - Watch out: Combinations
of any of these factors can greatly increase fire behavior:
20' Wind Speed over 15 mph, **RH** less than 10%,
Temperature over 80, **Energy Release Component** over 80

Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends
calculated from 2 pm temperature, humidity,
daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across
the landscape – Fuel, Weather, Topography.
- ✓ Listen to weather forecasts – especially WIND.

Past Experience:

04/16/2008 - Pepper Fire, Very High ERC (ERC-89), 640 acres
05/07/2000 - Mayhill Fire, Record Indices (ERC-100+), 31,940 acres
06/01/2000 - Little Lewis Fire, High ERCs for date (ERC-92), 1,110 acres
Hot, Windy, Spring days most likely combination for large fires. High ERC values
combined with high BI presents a Watch Out Situation.

OTHER FIRES TO NOTE

05/11/2000 - Scott Able Fire, Wind Gusts 70+ mph, (ERC-89), 16,034 acres
04/30/2002-Penasco Fire, 3 day wind event, (ERC-87), 16,020 acres

Responsible Agency: Lincoln National Forest

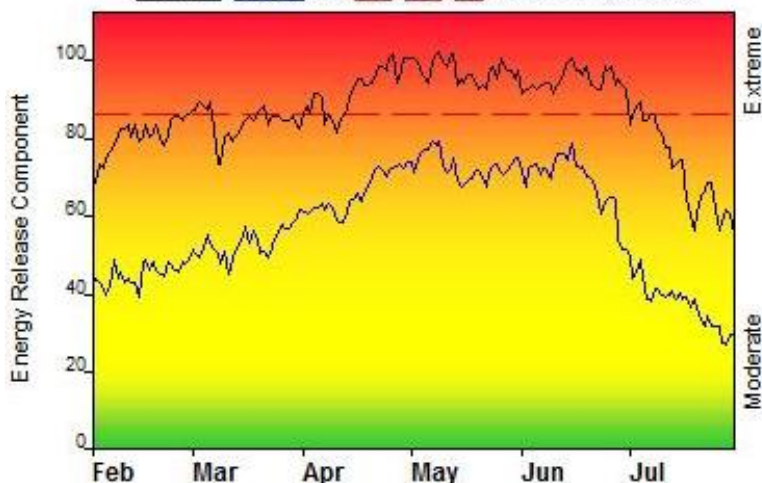
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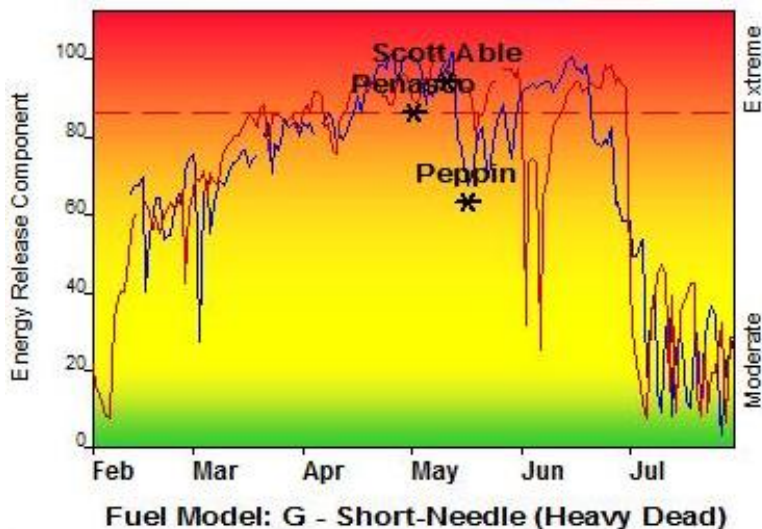
Lincoln National Forest – High Elevation

FIRE DANGER -- Lincoln NF High Elevation

Maximum, Average, and 90th Percentile, based on 15 years data



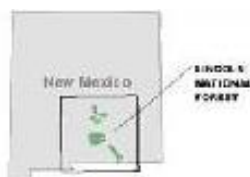
Years to Remember: 2008 2011



ERC Card Definition

Fire Danger Area:

- ◆ Lincoln NF Mixed Conifer
- ◆ Zone 113
- ◆ Cosmic - 293004
- * Meets NWCG Wx Station Standards



Fire Danger Interpretation:



- EXTREME** – Use extreme caution
(Caution) – Watch for change
Moderate – Lower Potential, but always be aware

Maximum – Highest Energy Release Component by day
for 1999 - 2013

Average – shows peak fire season over 15 years (2603 observations)

90th Percentile – Only 10% of the 2603 days from 1999 - 2013
had an Energy Release Component above 86

Local Thresholds - Watch out: Combinations
of any of these factors can greatly increase fire behavior:
20+ Wind Speed over 15 mph, **RH** less than 17%,
Temperature over 70, **Energy Release Component** over 80

Remember what Fire Danger tells you:

- ✓ Energy Release Component gives seasonal trends
calculated from 2 pm temperature, humidity,
daily temperature & rh ranges, and precip duration.
- ✓ Wind is NOT part of ERC calculation.
- ✓ Watch local conditions and variations across
the landscape – Fuel, Weather, Topography.
- ✓ Listen to weather forecasts – especially WIND.

Past Experience:

05/11/2000 - Scott Able Fire, Began in Mixed Conifer, Moved to Ponderosa Pine
04/30/2002 - Penasco Fire, Mixed Conifer, 3-day wind event
05/10/2004- Peppin Fire, Ran in Mixed Conifer down into Pine & P/J

Large fire occurrence is most likely on windy, spring days. High ERC values combined
with high winds presents a Watch Out Situation. South and west facing slopes with a
Ponderosa Pine component or slash w/ few herbaceous fuels, are very volatile .

Responsible Agency: Lincoln National Forest

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Design by NWCG Fire Danger Working Team

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